AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A medical imaging apparatus with means for dealing with problems which, when a problem affecting the medical imaging apparatus occurs, ~~determine~~ self-determines, free of medically trained user input, that (those) component(s) which is (are) the cause of the problem concerned and display it (them) on a display device (17),

at least one of the components of which is a self-change component which can be exchanged by an apparatus user without service support and, in the event that a self-change component is a component causing the problem concerned, the means of which for dealing with problems display a self-initiated request to exchange this self-change component, and

in which the means for dealing with problems order the self-change component to be exchanged via telecommunication means, wherein the apparatus user is a physician or an imaging apparatus trained medical assistant.

2. (currently amended) The medical imaging apparatus as claimed in claim 1, the means of which for dealing with problems obtain problem-specific data on the medical imaging apparatus

with respect to the problem determined and evaluate them with regard to the component(s) causing the problem concerned.

3. (currently amended) The medical imaging apparatus as claimed in claim 2, which contains a data memory in which information serving for determining data is stored and taken from the data memory by the means for dealing with the problem on a problem-dependent basis.

4. (cancelled)

5. (currently amended) The medical imaging apparatus as claimed in claim 1, the self-change components of which are provided with a visible code and the means of which for dealing with problems indicate the code of a self-change component when they display a request to exchange such a component.

6. (currently amended) The medical imaging apparatus as claimed in claim 1, which contains a data memory in which illustrations of the self-change components are stored, and in which apparatus the means for dealing with problems display the illustration of a self-change component when they display a request to exchange such a component.

7. (cancelled)

8. (currently amended) The medical imaging apparatus as claimed in claim 1, in which self-change components are designed in a way ensuring that they cannot be mixed up.

9. (currently amended) The medical imaging apparatus as claimed in claim 1, in which the connections of self-change

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~~components serving for power and/or signal transmission are~~ ~~designed in a way ensuring that they cannot be mixed up~~ wherein the self-change components include any one of an x-ray radiation source, a radiation detector system, and a high-voltage generator.

10. (currently amended) The medical imaging apparatus as claimed in claim 1, in which the means for dealing with problems perform a test on the medical imaging apparatus after the exchange of a component and only authorize normal operation of the apparatus if there is a positive test result.

11. (currently amended) The medical imaging apparatus as claimed in claim 10, which contains a data memory in which information serving for carrying out the test is stored and taken from the data memory by the means for dealing with the problem according to the component respectively exchanged.

12. (currently amended) The medical imaging apparatus as claimed in claim 1, the apparatus being assigned a data memory in which at least partially graphic information concerning ~~the exchange of~~ how to user-exchange the self-change components which graphic information can be presented on a display unit of the apparatus is stored.

13. (currently amended) The medical imaging apparatus, comprising:

plural components operatively connected to perform a medical function; and

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self-test means for independently determining, <u>free of</u>
<u>medically trained user input,</u> through an intelligent self-test
when a problem affecting the medical <u>imaging</u> apparatus occurs, a
problem-causing component from among the plural components, and
displaying the problem-causing component on a display device<u>,</u>

    <u>the problem-causing component being a self-change</u>
<u>component which can be exchanged by an apparatus user without</u>
<u>service support,</u>

    <u>wherein the apparatus user is a physician or an imaging</u>
<u>apparatus trained medical assistant</u>.

    14. (currently amended) The medical <u>imaging</u> apparatus
of claim 13, wherein the self-test means is interfaced with
problem-specific data relating to the components of the medical
<u>imaging</u> apparatus with respect to the problem and evaluate the
problem with regard to the problem-causing component.

    15. (currently amended) The medical <u>imaging</u> apparatus
of claim 14, wherein the plural components include ~~at least one~~
~~self-change component which can be exchanged by an apparatus user~~
~~without service support and the self-test means issues a request~~
~~for the user to exchange the problem-causing component~~ <u>any one of</u>
<u>an x-ray radiation source, a radiation detector system, and a</u>
<u>high-voltage generator</u>.

    16. (currently amended) The medical <u>imaging</u> apparatus
of claim 15, wherein the self-change component is provided with a
visible code and the self-test means indicates the code of a

self-change component when displaying the problem-causing component.

17. (currently amended) The medical _imaging_ apparatus of claim 15, further comprising stored illustrations of the self-change component interfaced to the self-test means, wherein the stored illustrations display an illustration of the self-change component when displayed as the problem-causing component.

18. (currently amended) The medical _imaging_ apparatus of claim 15, wherein the self-test means comprises an ordering part for ordering the problem-causing component via a telecommunications link.

19. (currently amended) The medical _imaging_ apparatus of claim 15, wherein the self-test means comprises a post-installation test to perform a diagnostic test on the medical _imaging_ apparatus after the exchange of the problem-causing component to verify proper post-installation operation of the medical _imaging_ apparatus.